Model 9312A

High Precision
Low Resistance
Reference Shunt

7 Current Ranges
5μΩ to 500μΩ
Accuracy's to <0.02%
Improved TC
Rack or Bench top Use

General Description:

The Model 9312A Multiple Value DC Current Shunt is the latest development from Measurements Internationals' series of DC resistors and shunts. After many years of research in low value resistance materials, the Model 9312A insures that you get the best performance on the market today. Combined with MI's experience in automated measurements at high current levels, accuracies approaching <0.02% can be achieved at full power from 5μΩ to 500μΩ.

The process selected in treating the element insures the best performance without introducing self-heating errors with improved temperature coefficients. The elements are supported on an insulating base for mechanical stability and covered with perforated metal to allow for proper cooling.

Special consideration has been given to the process of curing the elements and reducing the overall temperature coefficient. Optimum surface area dissipates the maximum specified power. The Model 9312A can be used as a current shunt or as a set of standard resistors for calibrating high current, low resistance micro ohm meters. The Model 9312A is used in an air environment.

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Specifications:

Selected Resistance	Nominal %	Maximum Current (A)	Accuracy
5μΩ	0.1	600	± 0.02%
10μΩ	0.1	600	± 0.02%
20μΩ	0.1	600	± 0.02%
50μΩ	0.1	300	± 0.02%
100μΩ	0.1	300	± 0.02%
200μΩ	0.1	300	± 0.02%
500μΩ	0.1	300	± 0.02%
Accuracy:	Calibrated at 23°C - Traceable to NRC and NIST		
Stability:	1 Year - 100 ppm		
Temp Coefficient:	< 8ppm/°C		
Power Coefficient:	< 10ppm/watt in Air		
Operating	18 to 34°C, 10 to 80% RH		
Warranty	1 Year Parts & Labor		

Dimensions:
480 x 220 x 300 mm

Accessories:

Operating Power: 120, 240V – 50/60 Hz

Distributed By:

How to Order:
Model 9312A
Multiple Value DC Current Shunt

Data Subject to Change

Printed in Canada

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